

What is claimed is:

1. A vaporizer which comprises a vaporization chamber for a CVD material, a CVD material feed portion for supplying the vaporization chamber with the CVD material, a vaporized gas exhaust port and a heating means for heating the vaporization chamber, characterized in that it further comprises an ejection tube of double structure wherein the outer diameter of the outer tube has a portion gradually thinning towards the ejection port to the vaporization chamber.
2. The vaporizer according to Claim 1, wherein an angle of a straight line through both starting end and finishing end of said gradually thinning portion to a vertical line is 0 to 60 degrees.
3. The vaporizer according to Claim 1, wherein a curved line through both starting end and finishing end of said gradually thinning portion is convex to the outside in a vertical cross sectional view.
4. The vaporizer according to Claim 1, wherein a curved line through both starting end and finishing end of said gradually thinning portion is concave to the inside in a vertical cross sectional view.
5. The vaporizer according to Claim 1, wherein an inner tube of

said ejection tube has a function of ejecting said CVD material to said vaporization chamber, and wherein said outer tube has a function of ejecting a carrier gas to said vaporization chamber.

6. The vaporizer according to Claim 1, wherein ejection ports of both said inner tube and said outer tube to said vaporization chamber have a structure protruding towards said vaporization chamber.

7. The vaporizer according to Claim 1, wherein the ejection port of said inner tube to said vaporization chamber has a structure protruding towards said vaporization chamber farther than the ejection port of said outer tube to said vaporization chamber.

8. The vaporizer according to Claim 1, wherein the inside of said CVD material feed portion is composed of synthesized resin and whose contact area with outside of said vaporizer is constituted of a metal.

9. The vaporizer according to Claim 1, wherein the inside of said CVD material feed portion is hollow and whose contact area with an external portion of said vaporizer is constituted of a metal.

10. The vaporizer according to Claim 1, wherein a contact area of said CVD material feed portion with said vaporization chamber is constituted of a metal.

11. The vaporizer according to Claim 1, further comprises a cooling means to cooling down said CVD material feed portion.

12. The vaporizer according to Claim 1, wherein said CVD material is obtained by dissolving solid CVD materials into an organic solvent.